

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated near my name below.

I believe I am the original, first and joint inventor of the subject matter of which is claimed and for which a patent is sought on the invention entitled:

PREFILLABLE INTRADERMAL DELIVERY DEVICE

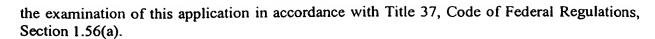
vhich	is descr	ribed and claimed in the specification of which:	
		is executed on even date herewith; attorney docket number	_·
	<u>X</u>	was filed on October 14, 1999 as United States Application Serial 09/417,671; attorney docket number 64,149-051.	No
	I decla	re that this application is:	
	a	first filing.	
	a	continuation.	<i>:</i>
	X a	continuation-in-part.	ŧ
	a	divisional.	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe my invention was known or used by others in the United States of America, or patented or described in a printed publication in any country before my invention thereof.

I do not know and do not believe my invention was patented or described in a printed publication in any country or in public use or on sale in the United States of America, more than one year prior to this application.

I acknowledge my duty to disclose information of which I am aware which is material to



I hereby claim that no application for patent or inventor's certificate on this invention has been filed in any foreign country or in the United States of America prior to this application by me or my legal representatives or assigns except as follows:

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of the foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

X no such	X no such applications have been filed.			
such appli	cations have been filed	as follows:		
COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)		
			Yes No :	
			1	
I hereby claim priority to and all the benefits under Title 35, United States Code, §119(e) of any United States provisional application(s).				
X no such	applications have been	niea.		
such app	lications have been filed	d as follows:		
	APPLICATION NUMBER	DATE OF FI		



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I hereby claim priority to and all the benefits under Title 35, United States Code, §120 of any United States application(s) listed below. If the above identified application is a continuation-in-part application, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this continuation-in-part application in accordance with Title 37, Code of Federal Regulations, Section 1.63(e).

____no such applications have been filed.

X such applications have been filed as follows:

APPLICATION

DATE OF FILING

STATUS

NUMBER

(month, day, year)

(patented, pending, abandoned)

09/417,671

October 14, 1999

Pending

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith with full power of substitution and revocation. (all names listed with corresponding registration numbers)

Harold W. Milton	22,180	David M. LaPrairie	46,295
William H. Honaker	31,623	Kevin S. MacKenzie	45,639
Raymond E. Scott	22,981	Jeffrey A. Sadowski	29,005
Bharat C. Gandhi	35,146	Randall L. Shoemaker	43,118
Samuel J. Haidle	42,619	James R. Yee	34,460
Allen W. Wark	30,503	Steve C. Wichmann	37,758

Please address all correspondence and telephone calls to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115





DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:	Paul G. Alchas	18/23/01 Dated
Address:	29 Ponds Circle Wayne, NJ 07470	· · · · · · · · · · · · · · · · · · ·
Post Office:	Same	
Citizenship:	United States	
	·	
Name:	Carlos E. Guillermo	Dated
Address:	25 River Road Clinton, CT 06413	
Post Office:	Same	
Citizenship:	United States	
		,
Name:	Philippe Emile Fernand Laurent	Dated
Address:	37, rue de la Glaciere 69600 Oullins, France	
Post Office:	Same	

Citizenship:

France

Name:

Marina S. Korisch

Dated

Address:

6 Deerfield Road

Wayne, NJ 07470

Post Office:

Same

Citizenship:

United States

Name:

Peter W. Heyman

Dated

Address:

34 Puddingstone Way

Florham Park, NJ 07932

Post Office:

Same

Citizenship:

United States

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COMBINED DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

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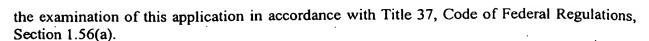
which	is desc	ribed and claimed in the specification of which:	
		is executed on even date herewith; attorney docket number	_·
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of the identifie	foreign applicated below any for the following f	ation(s) for patent or oreign application(s) for	inventor's certificate lor patent or inventor's c	d States Code, §119(a)-(d isted below and have also ertificate filed by me on the tion(s) of which priority is
	X no such a	oplications have been f	iled.	
	such applica	ations have been filed a	s follows:	
	COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)	PRIORITY CLAIMED UNDER 37 USC 1-19
			•	Yes No
				• •
I hereby claim priority to and all the benefits under Title 35, United States Code \$119(e) of any United States provisional application(s).				
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the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

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X no such a	X no such applications have been filed.			
such applic	such applications have been filed as follows:			
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			Yes No	
_	n priority to and all I States provisional app		le 35, United States Code,	
X no such a	pplications have been	filed.		
such appli	cations have been filed	l as follows:		
	APPLICATION NUMBER	DATE OF FII		



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October 14, 1999

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	200	10/30/01
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Name:

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PTO/SB/04 (08-03)
Approved for use through 07/31/2008. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to

SUPPLEMENTAL **DECLARATION FOR UTILITY** OR DESIGN PATENT APPLICATION (37 CFR 1.67)

Attorney Docket Numb	intomation diffess it displays a valid OMB control number.
the state of the second	
First Named Inventor	Alchas et al.
and the state of t	COMPLETE IF KNOWN
Application Number	09/835,248
Filing Date	April 13, 2001
Art Unit	3763
Examiner Name	Mendez, Manuel A.

i hereby declare that:					
Each inventor's residence, mailing address, and citizenship are as stated below next to their name.					
I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:					
PREFILLABLE I	NTRADERMAL DI	ELIVERY DEVICE			
the specification of which	(Ti	tle of the invention)			
is attached hereto					
OR					
x was filed on (MM/DD/YYYY)	04/13/2001	as United Sta	ites Application Nu	mber or PCT Inte	emational
Application Number 09/835, 248 and was amended on (MM/DD/YYY) 03/12/2003 I hereby declare that the subject matter of the attached amendment x amendment filed on 03/12/2003 was part of					
the invention and was Invented before the filing date of the original application, above identified for such invention. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.					
I acknowledge the duty to disclose in applications, material Information with filling date of the continuation-in-part	ich decame available betwi	een the filing date of the prior ap	plication and the na	ational or PCT in	itemational
I hereby claim foreign priority benefit breeder's rights certificate(s), or 365 States of America, listed below and breeder's rights certificate(s), or of a claimed.	o(a) of any PCT internation I have also identified below	inal application which designated by the checking the box any fore	d at least one cou	intry other than	the United
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy YES	Attached?
Additional foreign application num	nbers are listed on a supplemen	ntal priority data sheet PTO/SB/02B at	tached hereto.		

[Page 1 of 3]

This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commissionary for Patents P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. B x 1450, Alexandria, VA 22313-1450.

PTO/SB/04 (08-03)

Approved for use through 07/31/2006, OMB 6651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

							
Direct all correspondence to: Customer Number: OR Correspondence address below							
Name							
Ludomir A. Budzy	n. Esq.			•			
Address Address	11, 11, 11, 11, 11, 11, 11, 11, 11, 11,				·		
HOFFMANN & BARON	T.T.P						
Address		 		·			
6900 Jericho Turi	npike						
City		State			ZIP	 	· · · · · · · · · · · · · · · · · · ·
Syosset	I		NY		11791		
Country	Tele	ephone			Fax		
USA			973-331-1700 973-331-1717				
I hereby declare that all statements made believed to be true; and further that these punishable by fine or imprisonment, or be application or any patent issued thereon.	e statements were	n knowledge made with	ge are to	true and that al	Il statements made on i	information	and belief are
	A petition ha			is unsigned Inve	entor		
Given Nam Paul G.			Family or Surn		.chas		
Inventor's Signature	In. Ali	1/2					Date /0/0/3
Residence: City	State	//		Country		i	11 100
Wayne				-		Citizens	•
Mailing Address	L	ŊJ		USA		USZ	A
•							
29 Ponds Circle							<u></u>
Mailing Address							
City	State	е			ZIP	Country	
Wayne	NJ 07		07470	USZ	A		
Nam of Second Inventor:	am of Second Inventor: A petition has been filed for this unsigned inventor						
Given Name			Family I				
Carlos E.		'	or Surna	ame Gu	illermo		
Signature	WW.						ate 1 04 03
Residence: City		State			Country	Citizensh	nip
Clinton	J	1 .	CT		USA		SA
Mailing Address		<u> </u>			UDA) A
•	•						
25 River Road							
Mailing Address		,,					
City		Stat			ZIP	Country	
Clinton	1		CT				
		<u> </u>			06413	US	3A
X Additional inventors or a legal repres	entative are being r	named on	the 1	_supplementa	l sheet(s) PTO/SB/ 02A	or 02LR at	tached hereto.

PTO/SB/02A (08-03)

PTUSB/02A (08-03)
Approved for use through 08/31/2003. OMB 0651-0032
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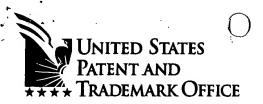
ADDITIONAL INVENTOR(S)

Supplemental Sheet

American de la composition della composition del	ومد بنا کریگلیست	i d Freedy that each establishment in	1968 years of distributions and	Page	9 <u>3</u> of <u>3</u>
Name of Additional Joint Inventor, if any:		A pe	tition has been fil	led for this unsigned i	nventor
Given Name (first and middle (if any)		Family Nar	me or Surname		
Philippe Emile Fernand		Laurent		***************************************	
Inventor's Signature	m			/0 /	10 /2003
Oullins Residence: City	State		France Country		lo
37, rue de la Glaciere Mailing Address				Citizenshi	
Mailing Address			- 		
Oullins City	State	e	69600 Zip	France Country	v.
Name of Additional Joint Inventor, if any:				ed for this unsigned in	·
Given Name (first and middle (if any)		Family Name or Surname			
Marina S.		Korisch			
Inventor's Schoul -		Date /c	0/10/200	3	
Wayne Residence: City	NJ State		USA Country	· · · · · · · · · · · · · · · · · · ·	USA Citizenship
6 Deerfield Road Mailing Address					
Mailing Address					
Wayne City	NJ State		07470 Zip	USA Country	
Name of Additional Joint Inventor, if any:		A peti		ed for this unsigned in	<u> </u>
Given Name (first and middle (if any)		Family Name or Surname			
Peter W.		Heyman			
Inventor's Signature Pull S		Date	0/10/20	D3	
Florham Park Residence: City	NJ State		USA Country		USA Citizenship
34 Puddingstone Way Mailing Address					
Mailing Address					
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State Zip Country This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmissi ner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

City



MARCH 11, 2002

PTAS

**BECTON, DICKINSON AND COMPANY ALLEN W. WARK PATENT AND LICENSING DEPARTMENT 1 BECTON DRIVE FRANKLIN LAKES, NJ 07417-1880



Chief Information Officer Washington, DC 20231 www.uspto.gov



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0817

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GUILLERMO, CARLOS E.

DOC DATE: 10/30/2001

ASSIGNEE:

BECTON, DICKSON AND COMPANY 1 BECTON DRIVE PATENT AND LICENSING DEPARTMENT FRANKLIN LAKES, NEW JERSEY

07417-1880

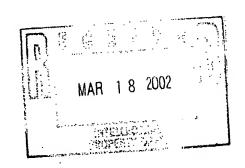
SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001

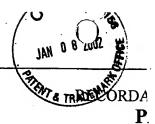
ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



P-5258·

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)



01-17-2002



101951930

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Carlos E. Guillermo Additional name(s) of conveying party(ies) attached? □ Yes ☒ No 3. Nature of conveyance: X Assignment Security Agreement Other: Change of Name	2. Name and address of receiving party(ies): Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department Street Address: 1 Becton Drive City: Franklin Lakes State: NJ ZIP: 07417-1880 Additional name(s) & address(es) attached? □ Yes ☒ No
Execution Date: October 30, 2001	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application,	the execution date of the application is:
A. Patent Application No.(s) 09/835,248	B. Patent No.(s)
	 ached? □ Yes ☒ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: BECTON, DICKINSON AND COMPANY	7. Total fee (37 CFR §3.41): \$40.00 ☐ Enclosed
Internal Address: Patent and Licensing Department	Authorized to be charged to deposit account
Street Address: 1 Becton Drive	8. Deposit account number: 02-1666
City: Franklin Lakes State: NJ ZIP: 07417-1880	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is document.	true and correct and any attached copy is a true copy of the original
Allen W. Wark, Reg. No. 30, 305	11801
Name of Person Signing	Signature Date
/16/2002 BBYRHE 00000036 021666 09835248 Total number of pages	s including cover sheet, attachments and document: 3

ASSIGNMENT (Joint Inventors)

WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

PREFILLABLE INTRADERMAL DELIVERY DEVICE

which is set forth in an application in the United States having the attorney docket number P-5258 and executed on even date herewith:

AND WHEREAS, Becton Dickinson and Company, (hereinafter referred to as Assignee), of 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Date	Name Paul G. Alchas
10 30 01 Date	Name Carlos E. Guillermo
Date	Name Philippe Emile Fernand Laurent
Date	Name Marina S. Korisch
Date	Name Peter W. Heyman

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Alchas et al.

Examiner:

Mendez, Manuel A.

Serial No.:

09/835,248

Group Art Unit: 3763

Confirmation No.:

5027

Docket:

P-5258 (102-525 CIP)

Filed:

April 13, 2001

For:

PREFILLABLE INTRADERMAL

DELIVERY DEVICE

Commissioner for Patents Washington, DC 20231

NEW POWER OF ATTORNEY BY ASSIGNEE (INCLUDING REVOCATION OF PRIOR POWERS OF ATTORNEY)

As assignee of the entire right, title and interest in the above-identified application, as set forth in the attached Statement Under 37 CFR 3.73(b), all powers of attorney previously given with respect to this matter are hereby revoked. The practitioners associated with Customer Number 32752 are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office in connection with this matter.

Applicant: Alchas et al.

Application Serial No.: 09/835,248

Filing Date: April 13, 2001

Docket No.: P-5258 (102-525 CIP)

Page 2

Please address all future correspondence and telephone communications to:

Ludomir A. Budzyn, Esq. Hoffmann & Baron, LLP 6900 Jericho Turnpike Syosset, New York 11791 Telephone: (973) 331-1700

Respectfully submitted,

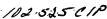
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Dated

David W. Highet Assistant Secretary

Becton Dickinson and Company

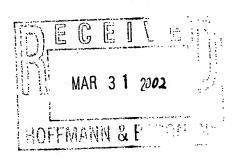
HOFFMANN & BARON, LLP 6900 Jericho Turnpike Syosset, New York 11791 (973) 331-1700





FIRST NAMED APPLICANT ATTY: DOCKET NO TITLE FILING DATE APPLICATION NUMBER Paul G. Alchas P-5258 09/835,248 04/13/2001

32752 HOFFMAN & BARON, LLP 6900 JERICHO TURNPIKE SYOSSET, NY 11791



CONFIRMATION NO. 5027 *OC000000009708404*

Date Mailed: 03/26/2003

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/17/2003.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

HOFFMANN & BARON, NJ

3700 (703) 306-0410

ATTORNEY/APPLICANT COPY

STATEMENT UNDER 37 CFR 3.73(b) Applicant: Alchas et al. Application No.: 09/835,248 Filed: April 13, 2001 Entitled: PREFILLABLE INTRADERMAL DELIVERY DEVICE Becton, Dickinson and Company , a corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: the assignee of the entire right, title, and interest; or an assignee of an undivided part interest in the patent application identified above by virtue of either: A. [/] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel <u>012462</u>. Frame <u>0817</u>, or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below: 1. From: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _ _____, or for which a copy thereof is attached. 2. From: To: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. To: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee. David W. Highet Typed or printed name Assistant Secretary Title



MARCH 11, 2002

PTAS

BECTON, DICKINSON AND COMPANY
ALLEN W. WARK
PATENT AND LICENSING DEPARTMENT
1 BECTON DRIVE
FRANKLIN LAKES, NJ 07417-1880



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0814

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ALCHAS, PAUL G.

DOC DATE: 10/23/2001

ASSIGNOR:

KORISCH, MARINA S.

DOC DATE: 10/23/2001

ASSIGNOR:

HEYMAN, PETER W.

DOC DATE: 10/23/2001

ASSIGNEE:

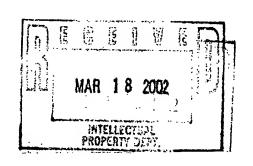
BECTON, DICKINSON AND COMPANY
1 BECTON DRIVE
PATENT AND LICENSING DEPARTMENT
FRANKLIN LAKES, NEW JERSEY

07417-1880

SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001 ISSUE DATE:



012462/0814 PAGE 2

SHARON LATIMER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

· ~;}

01-17-2002



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	951927
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Paul G. Alchas, Marina S. Korisch and Peter W. Heyman Additional name(s) of conveying party(ies) attached? □ Yes ☒ No 1-8-02	Name and address of receiving party(ies): Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department
3. Nature of conveyance: X Assignment	Street Address: 1 Becton Drive City: Franklin Lakes State: NJ ZIP: 07417-1880 Additional name(s) & address(es) attached? □ Yes ☒ No
4. Application number(s) or patent number(s): If this document is being filed together with a new application, A. Patent Application No.(s) 09/835,248	the execution date of the application is: B. Patent No.(s)
Name and address of party to whom correspondence	ached? ☐ Yes ☒ No 6. Total number of applications and patents involved: 1
Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department	7. Total fee (37 CFR §3.41): \$40.00 Enclosed Authorized to be charged to deposit account
Street Address: 1 Becton Drive City: Franklin Lakes State: NJ ZIP: 07417-1880	8. Deposit account number: 02-1666 (Attach duplicate copy of this page if paying by deposit account)
FC:581 40.00 CH 9. Statement and signature.	s true and correct and any attached copy is a true copy of the original
Allen W. Wark, Reg. No. 30, 305 Name of Person Signing Total number of page	Signature Date es including cover sheet, attachments and document:
10th number of page	or more and or to the original and account on the

ASSIGNMENT (Joint Inventors)

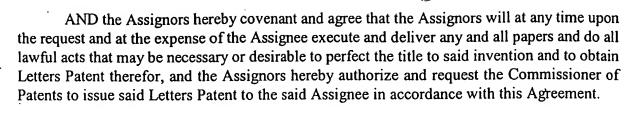
WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

PREFILLABLE INTRADERMAL DELIVERY DEVICE

which is set forth in an application in the United States having the attorney docket number **P-5258** and executed on even date herewith:

AND WHEREAS, Becton Dickinson and Company, (hereinafter referred to as Assignee), of 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.



	Name Paul G. Alchas
	•
Date	Name Carlos E. Guillermo
Date	Name Philippe Emile Fernand Laurent
10/24/01 Date	Name Marina S. Korisch
10/24/01 Date	Name Peter W. Heyman

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115



MARCH 11, 2002

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BECTON, DICKINSON AND COMPANY ALLEN W. WARK 1 BECTON DRIVE FRANKLIN LAKES, NJ 07417-1880 System Stranger

Chief Information Officer Washington, DC 20231 www.uspto.gov



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RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0849

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LAURENT, PHILIPPE EMILE FERNAND

DOC DATE: 10/22/2001

ASSIGNEE:

BECTON, DICKINSON AND COMPANY 1 BECTON DRIVE FRANKLIN LAKES, NEW JERSEY

07417-1880

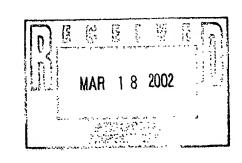
SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001

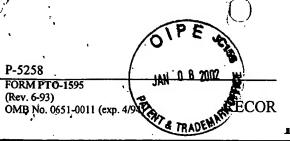
ISSUE DATE:

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



P-5258

FORM PTO-1595 (Rev. 6-93)



01-17-2002



101951928 IAIDNIS UNLT

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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1. Name of conveying party(ies): Philippe Emile Fernand Laurent Additional name(s) of conveying party(ies) attached? □ Yes ☒ No 3. Nature of conveyance: X Assignment Security Agreement Other: Execution Date: October 22, 2001	2. Name and address of receiving party(ies): Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department Street Address: 1 Becton Drive City: Franklin Lakes State: NJ ZIP: 07417-1880 Additional name(s) & address(es) attached? □ Yes ☒ No	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application,	the execution date of the application is:	
A. Patent Application No.(s) 09/835,248	B. Patent No.(s)	
Additional numbers atta	I ached? □ Yes ☒ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department	7. Total fee (37 CFR §3.41): \$40.00 . ☐ Enclosed ☑ Authorized to be charged to deposit account	
Street Address: 1 Becton Drive	8. Deposit account number: 02-1666	
City: Franklin Lakes State: NJ ZIP: 07417-1880	(Attach duplicate copy of this page if paying by deposit account)	
716/2002 BBYRNE 00000034 021686 03833248 DO NOT USE FC::581 40.00 CH	THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is document.	true and correct and any attached copy is a true copy of the original	
Allen W. Wark, Reg. No. 30, 305 Name of Person Signing	1/8/01	
Manie of Ferson Signing	Signature Date	
Total number of page	s including cover sheet, attachments and document:	

ASSIGNMENT (Joint Inventors)

WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

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AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Date	Name Paul G. Alchas
Date Date	Name Carlos E. Guillermo
Date Gohser 22 Evoj	Name Philippe Emile Fernand Laurent
Date	Name Marina S. Korisch
Date	Name Peter W. Heyman

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Allen W. Wark, Esq.
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(201) 847-7115